Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 29 Aug 2023 until 23:59 on Wednesday 30 Aug 2023

Forecast Issued on Tuesday 29 Aug 2023 at 03:10

Confidence: High confidence at first, lowering significantly from Thursday with the arrival of a weather system from the Atlantic.

Headline for Tuesday 29 Aug 2023: Cloudy with drizzle and light rain during the morning, but improving to showers, with sunshine later and dry evening likely.

Mountain weather hazards on Tuesday 29 Aug 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** High Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Drizzle	Light rain showers	Sunny intervals	Sunny intervals	Partly cloudy (night)
Precipitation probability					
10%	30%	50%	20%	10%	20%

Forecast for Tuesday 29 Aug 2023

Weather: Cloudy and drizzly during the morning, with some light rain for a time. This turning showery by late morning with bright or sunny spells developing. Showers may affect some parts again after dusk.

Chance of cloud-free hill tops above 600m: 30% becoming 100%

Low cloud and visibility: Broken bases 400-500m, lifting from mid-morning to clear most peaks by early afternoon. Poor or very poor across most peaks with cloud covering higher slopes, but gradually improving, with excellent visibility and views of distant summits during the afternoon and evening.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Tuesday 29 Aug 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/16 SW	15/18 SW	17/23 W	17/23 W	14/20 W	12/18 W	14/19 W
300	10/15 SW	11/14 SW	13/19 W	13/19 NW	11/19 NW	8/13 W	11/15 SW
Valley	4/14 SW	6/13 SW	9/18 W	11/21 W	9/19 W	4/12 W	5/12 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/7	10/8	11/8	12/9	11/8	9/7	9/6
300	12/10	12/10	14/12	14/12	13/11	12/10	11/9
Valley	12/12	13/12	15/13	16/14	14/12	12/11	11/10
Freezing Level*	2300m	2400m	2200m	2100m	1700m	1800m	1900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Poor visibility during the morning means good navigational skills will be required. Despite cloud cover during the morning, sun protection is likely to be required later in the day.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Tue 29 Aug 2023	0.2mm	0.2mm	0.4mm

Forecast for Wednesday 30 Aug 2023

Weather: Low cloud and some rather sharp showers during the morning, before cloud lifts and breaks to allow sunny spells during the afternoon. Showers probably continuing with some heavy giving risk of lightning. Turning drier from mid-afternoon onwards, with a mostly fine evening to follow.

Maximum wind: Westerly 10-15mph gusting 25mph

Chance of cloud-free hill tops above 600m: 30% becoming 90%

Low cloud and visibility: Low cloud base around 400m at first, quickly lifting above the hills by late morning. Poor visibility in drizzle and low cloud covering hills at first, improving to very good as the cloud lifts.

Temperature: **Valleys:** Plus 6 degrees Celsius becoming plus 19 degrees Celsius
At 600m: Plus 7 degrees Celsius becoming plus 12 degrees Celsius
Freezing level: Well above the summits

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